

What is claimed is:

1. An electric cylinder for actuating a door lock, characterized in that a motor shaft is displaced by the operation of a motor to associate a rotary can with a disc, one end of said motor shaft is accommodated in a hole portion which is formed in the bottom of the case, all electric cylinder parts are accommodated in the case, said rotary can is divided into two upper and lower parts which are always associated with each other, said disc is put displaceably with a spring in the case, the electrode of said motor is changed to extend and contract said motor shaft, and the tailpiece is associated with the operation of the extension and contraction to actuate a dead bolt.
2. An electric cylinder for actuating a door lock according to claim 1, wherein a screwed motor shaft is set in the screwed hole of the lower rotary can part for receiving said motor shaft.
3. An electric cylinder for actuating a door lock, characterized in that the tip of a motor shaft is contacted with the surface of a rotary dish plate and said motor shaft is displaced by the operation of said motor to associate said rotary dish plate with a disc; said tailpiece associated with said rotary dish plate is arranged in parallel to said motor, so that cables drawn out from said motor do not hinder the turning movement of said rotary dish plate; said disc, said rotary dish plate, said tailpiece and a stationary can are disposed in a linear relation and all electric cylinder parts are accommodated in the case; said disc is put displaceably with a spring in the case; the electrode of said motor is changed to extend and contract said motor shaft, and the tailpiece is associated with the operation of the extension and contraction to actuate a deadbolt.
4. An electric cylinder for actuating a door lock according to either one from claim 1 to claim 3, wherein either one of the associated locking parts of said rotary can or said rotary dish plate and said disc is provided with an inclined angle.
5. An electric cylinder door lock according to either one of from claim 1 to claim 4, wherein said electric cylinder is attached to the existing door lock by clamping bolts to provide a cylinder door without a keyhole.